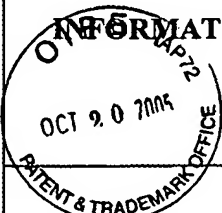| INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	3382-61344-01
	Application Number	10/016,918
	Filing Date	December 14, 2001
	First Named Inventor	Chen
	Art Unit	~~2641~~ 2626
	Examiner Name	~~not yet assigned~~ Myriam Pierre

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
MP		5,079,547	January 7, 1992	Fuchigama et al.
MP		5,260,980	November 9, 1993	Akagiri et al.
MP		5,388,181	February 7, 1995	Anderson et al.
MP		5,539,829	July 23, 1996	Lokhoff et al.
MP		5,581,653	December 3, 1996	Todd
MP		5,627,938	May 6, 1997	Johnston, James D.
MP		5,661,755	August 26, 1997	Van De Kerkhof et al.
MP		5,686,964	November 11, 1997	Tabatabai et al.
MP		5,845,243	December 1, 1998	Smart et al.
MP		5,956,674	September 21, 1999	Smyth et al.
MP		5,995,151	November 30, 1999	Naveen et al.
MP		6,029,126	February 22, 2000	Malvar
MP		6,058,362	May 2, 2000	Malvar
MP		6,115,688	September 5, 2000	Brandenburg et al.
MP		6,115,689	September 5, 2000	Malvar
M P		6,182,034	January 30, 2001	Malvar
M P		6,240,380	May 29, 2001	Malvar

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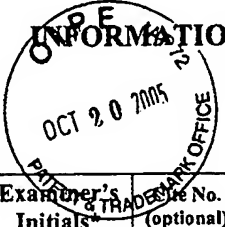|		
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	Examiner Name	~~not yet assigned~~ Myriam Pie

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
MP		6,341,165	January 22, 2002	Gbur et al.
MP		6,680,972	January 20, 2004	Liljeryd
MP		6,760,698	February 12, 2001	Gao
MP		6,766,293	July 20, 2004	Herre et al.
MP		6,771,777	August 3, 2004	Gbur et al.
MP		6,934,677	August 23, 2005	Chen et al.
MP		20020143556	October 3, 2002	Kadatch
MP		20030236580	December 25, 2003	Wilson et al.
MP		20040044527	March 4, 2004	Thumpudi et al.
MP		20050065780	March 24, 2005	Wiser et al.
MP		20050165611	July 28, 2005	Mehrotra et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
MP		Europe	0663740	July 19, 1995	Kim
MP		Europe	0910927	April 28, 1999	Gbur et al.
MP		Europe	0931386	July 28, 1999	Herre et al.
MP		WIPO	02/043054	May 30, 2002	Krasny

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	Art Unit	~~2641~~ 2626
	Examiner Name	~~not yet assigned~~ Myriam Pierre

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
MP		Advanced Television Systems Committee, *ATSC Standard: Digital Audio Compression (AC-3), Revision A*, 140 pp. (1995).
MP		Brandenburg, "ASPEC CODING", *AES 10th International Conference*, pp. 81-90 (1991).
MP		"ISO/IEC 11172-3, Information Technology -- Coding of Moving Pictures and Associated Audio for Digital Storage Media at Up to About 1.5 Mbit/s -- Part 3: Audio," 154 pp. (1993).
MP		"ISO/IEC 13818-7, Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information -- Part 7: Advanced Audio Coding (AAC)," 174 pp. (1997).
MP		"ISO/IEC 13818-7, Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information -- Part 7: Advanced Audio Coding (AAC), Technical Corrigendum 1" 22 pp. (1998).
MP		ITU, Recommendation ITU-R BS 1115, Low Bit-Rate Audio Coding, 9 pp. (1994).
MP		Jesteadt et al., "Forward Masking as a Function of Frequency, Masker Level, and Signal Delay," *Journal of Acoustical Society of America*, 71:950-962 (1982).
MP		Lutfi, "Additivity of Simultaneous Masking," *Journal of Acoustic Society of America*, 73:262-267 (1983).
MP		Hasegawa-Johnson et al., "Speech coding: fundamentals and applications," *Handbook of Telecommunications*, John Wiley and Sons, Inc., pp. 1-33 (2003). [available at http://citeseer.ist.psu.edu/617093.html]
MP		Najafzadeh-Azghandi et al., "Perceptual coding of narrowband audio signals at 8 Kbit/s" (1997), available at http://citeseer.ist.psu.edu/najafzadeh-azghandi97perceptual.html.
MP		Painter et al., "Perceptual Coding Of Digital Audio," *Proceedings Of The IEEE*, Vol. 88, Issue 4, pp. 451-515, Apr. 2000, available at http://www.eas.asu.edu/~spanias/papers/paper-audio-tedspanias-00.pdf
MP		Schroeder et al., "Code-excited linear prediction (CELP): High-quality speech at very low bit rates," *Proc. IEEE Int. Conf ASSP*, pp. 937-940, 1985.
MP		Schulz, "Improving audio codecs by noise substitution," *Journal Of The AES*, vol. 44, no. 7/8, pp. 593-598, July/Aug. 1996.
MP		Sporer et al., "The Use of Multirate Filter Banks for Coding of High Quality Digital Audio," *6th European Signal Processing Conference (EUSIPCO)*, Amsterdam, Vol. 1, pp. 211-214, June 1992.

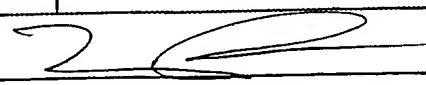| EXAMINER SIGNATURE:	DATE CONSIDERED: 7/3/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Docket: 3382-61344			App: 10/016,918	
		Applicant: Chen et al.				
		Filed: December 14, 2001			Art Unit: 2641 2626	

U.S. PATENT DOCUMENTS

Init.*		Number	Date	Name	Class	Sub	Filed
MP		5,686,964	11.11.97	Tabatabai et al.			
MP		5,845,243	12.01.98	Smart et al.	RECEIVED		
MP		5,995,151	11.30.99	Naveen et al.	MAY 0 8 2002 Technology Center 2600		

OTHER DOCUMENTS

MP			Gibson et al., Digital Compression for Multimedia, Title Page, Contents, "Chapter 7: Frequency Domain Coding," Morgan Kaufman Publishers, Inc., pp. iii, v-xi, and 227-262 (1998).
MP			H.S. Malvar, Signal Processing with Lapped Transforms, Artech House, Norwood, MA, pp. iv, vii-xi, 175-218, 353-57 (1992).
MP			H.S. Malvar, "Lapped Transforms for Efficient Transform/Subband Coding," *IEEE Transactions on Acoustics, Speech and Signal Processing*, Volume 38, No. 6, pp. 969-78 (1990).
MP			Seymour Schlien, "The Modulated Lapped Transform, Its Time-Varying Forms, and Its Application to Audio Coding Standards," *IEEE Transactions on Speech and Audio Processing*, Vol. 5, No. 4, pp. 359-66 (July 1997).
MP			de Queiroz et al., "Time-Varying Lapped Transforms and Wavelet Packets," *IEEE Transactions on Signal Processing*, Vol. 41, pp. 3293-3305 (1993).
MP			Herley et al., "Tilings of the Time-Frequency Plane: Construction of Arbitrary Orthogonal Bases and Fast Tiling Algorithms," *IEEE Transactions on Signal Processing*, Vol. 41, No. 12, pp. 3341-59 (1993).

EXAMINER:	DATE 7/3/0 6

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Docket: 3382-61344	App: 10/016,918
	Applicant: Chen et al.	
	Filed: December 14, 2001	Art Unit: ~~2641~~ 2626

OTHER DOCUMENTS

MP			ISO/IEC 11172-3, Information Technology -- Coding of Moving Pictures and Associated Audio for Digital Storage Media at Up to About 1.5 Mbit/s -- Part 3: Audio, 154 pp. (1993).
MP			Dolby Laboratories, "AAC Technology," 4 pp. [Downloaded from the web site aac-audio.com on World Wide Web on November 21, 2001.]
MP			Srinivasan et al., "High-Quality Audio Compression Using an Adaptive Wavelet Packet Decomposition and Psychoacoustic Modeling," *IEEE Transactions on Signal Processing*, Vol. 46, No. 4, pp. 1085-93 (April 1998).
MP			Caetano et al., "Rate Control Strategy for Embedded Wavelet Video Coders," *Electronics Letters*, pp. 1815-17 (October 14, 1999).
MP			Ribas Corbera et al., "Rate Control in DCT Video Coding for Low-Delay Communications," *IEEE Transactions on Circuits and Systems for Video Technology*, Vol. 9, No. 1, pp. 172-85 (February 1999).
MP			Zwicker et al., Das Ohr als Nachrichtenempfänger, Title Page, Table of Contents, "I: Schallschwingungen," Index, Hirzel-Verlag, Stuttgart, pp. III, IX-XI, 1-26, and 231-32 (1967).
MP			Terhardt, "Calculating Virtual Pitch," *Hearing Research*, 1:155-182 (1979).
MP			Lufti, "Additivity of Simultaneous Masking," *Journal of Acoustic Society of America*, 73:262-267 (1983).
MP			Jesteadt et al., "Forward Masking as a Function of Frequency, Masker Level, and Signal Delay," *Journal of Acoustical Society of America*, 71:950-962 (1982).

EXAMINER:	DATE: 7/3/06

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Docket: 3382-61344		App: 10/016,918
	Applicant: Chen et al.		
	Filed: December 14, 2001		Art Unit: ~~2641~~ 2626

OTHER DOCUMENTS

MP			ITU, Recommendation ITU-R BS 1387, Method for Objective Measurements of Perceived Audio Quality, 89 pp. (1998).
MP			ITU, Recommendation ITU-R BS 1115, Low Bit-Rate Audio Coding, 9 pp. (1994).
MP			Beerends, "Audio Quality Determination Based on Perceptual Measurement Techniques," Applications of Digital Signal Processing to Audio and Acoustics, Chapter 1, Ed. Mark Kahrs, Karlheinz Brandenburg, Kluwer Acad. Publ., pp. 1-38 (1998).
MP			Zwicker, Psychoakustik, Title Page, Table of Contents, "Teil I: Einfuhrung," Index, Springer-Verlag, Berlin Heidelberg, New York, pp. II, IX-XI, 1-30, and 157-162 (1982).
MP			Solari, Digital Video and Audio Compression, Title Page, Contents, "Chapter 8: Sound and Audio," McGraw-Hill, Inc., pp. iii, v-vi, and 187-211 (1997).
MP			A.M. Kondoz, Digital Speech: Coding for Low Bit Rate Communications Systems, "Chapter 3.3: Linear Predictive Modeling of Speech Signals" and "Chapter 4: LPC Parameter Quantisation Using LSFs," John Wiley & Sons, pp. 42-53 and 79-97 (1994).
MP			Kadatch, U.S. Patent Application Serial No. 09/771,371, entitled, "Quantization Loop with Heuristic Approach," filed January 26, 2001.
MP			Chen et al., U.S. Patent Application Serial No. 10/017,694, entitled, "Quality and Rate Control Strategy for Digital Audio," filed December 14, 2001.
MP			Chen et al., U.S. Patent Application Serial No. 10/017,702, entitled, "Quantization Matrices for Digital Audio," filed December 14, 2001.

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Technology Center 2600

EXAMINER:	DATE: 7/3/06

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT MAY 06 2002	Docket: 3382-61344		App: 10/016,918
	Applicant: Chen et al.		
	Filed: December 14, 2001		Art Unit: ~~2641~~ 2626

OTHER DOCUMENTS

MP			Chen et al., U.S. Patent Application Serial No. 10/017,861, entitled, "Techniques for Measurement of Perceptual Audio Quality," filed December 14, 2001.
MP			Chen et al., U.S. Patent Application Serial No. 10/020,708, entitled, "Adaptive Window-Size Selection in Transform Coding," filed December 14, 2001.
MP			Wragg et al., "An Optimised Software Solution for an ARM Powered™ MP3 Decoder," 9 pp. [Downloaded from the World Wide Web on October 27, 2001.]
MP			Fraunhofer-Gesellschaft, "MPEG Audio Layer-3," 4 pp. [Downloaded from the World Wide Web on October 24, 2001.]
MP			Fraunhofer-Gesellschaft, "MPEG-2 AAC," 3 pp. [Downloaded from the World Wide Web on October 24, 2001.]
MP			OPTICOM GmbH, "Objective Perceptual Measurement," 14 pp. [Downloaded from the World Wide Web on October 24, 2001.]
MP			De Luca, "AN1090 Application Note: STA013 MPEG 2.5 Layer III Source Decoder," STMicroelectronics, 17 pp. (1999).
MP			Phamdo, "Speech Compression," 13 pp. [Downloaded from the World Wide Web on November 25, 2001.]
MP			Malvar, "Biorthogonal and Nonuniform Lapped Transforms for Transform Coding with Reduced Blocking and Ringing Artifacts," appeared in *IEEE Transactions on Signal Processing, Special Issue on Multirate Systems, Filter Banks, Wavelets, and Applications*, vol. 46, 29 pp. (1998).

EXAMINER: DATE: 7/8/06

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

Technology Center 2600

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	INFORMATION DISCLOSURE STATEMENT	Docket: 3382-61344		App: 10/016,918
		Applicant: Chen et al.		
	BY APPLICANT	Filed: December 14, 2001		Art Unit: 2641 2626

U.S. PATENT DOCUMENTS

Init.*		Number	Date	Name	Class	Sub	Filed
MP		6115689	9/5/00	Malvar			

FOREIGN PATENT DOCUMENTS

		Number	Date	Country	Class	Sub	
				RECEIVED			
				MAR 1 2 2002			
				Technology Center 2600			

OTHER DOCUMENTS

MP			"Method for Objective Measurements of Perceived Audio Quality", *Rec. ITU-R BS.1387* (Question ITU-R 210/10) 1998

EXAMINER:	DATE 7/3/06

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.